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World Forum for Harmonization of Vehicle Regulations

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Item 4.7.5 of the provisional agenda
1958 Agreement:
Consideration of draft amendments
to existing UN Regulations submitted by GRPE

Proposal for Supplement 8 to UN Regulation No. 85 (Measurement of the net power)

Submitted by the Working Party on Pollution and Energy*

The text reproduced below was adopted by the Working Party on Pollution and Energy (GRPE) at its seventy-sixth session (ECE/TRANS/WP.29/GRPE/76, para. 29). It is based on ECE/TRANS/WP.29/GRPE/2018/5, as amended by Annex VII of ECE/TRANS/WP.29/GRPE/76. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee AC.1 for consideration at their June 2018 sessions.

* In accordance with the programme of work of the Inland Transport Committee for 2018–2019 (ECE/TRANS/274, para. 123 and ECE/TRANS/2018/21, Cluster 3.1), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

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Supplement 8 to UN Regulation No. 85 (Measurement of the net power)

Paragraph 5.3.1.3., amend to read:

"5.3.1.3. Immediately prior to the test, the motor shall be run on the bench for three minutes delivering a power equal to either 80 per cent of the maximum 30 minutes power or 80 per cent of the maximum peak power at a speed recommended by the manufacturer, within the speed range determined in paragraph 5.3.2.2. Following the completion of this run, the power test shall be started within a maximum of 1 minute."

Annex 5

Paragraph 5.4.2., amend to read:

"5.4.2. Diesel engines - Factor α_d

The power correction factor (α_d) for diesel engines at constant fuel rate is obtained by applying the formula:

Where $\alpha_d = (f_a)^{f_m}$

f_a is the atmospheric factor

f_m is the characteristic parameter for each type of engine and adjustment"